

Title (en)

Electrophoretic matrices and electrophoretic method using same.

Title (de)

Elektrophoretische Matrizen und elektrophoretisches Verfahren zur Anwendung derselben.

Title (fr)

Matrices électrophorétiques et procédé électrophorétique les utilisant.

Publication

EP 0534017 A1 19930331 (EN)

Application

EP 91250262 A 19910925

Priority

JP 9917190 A 19900413

Abstract (en)

An electrophoretic matrix comprised of at least one water-insolubilized, temperature-responsive polymeric compound having an Lower Critical Solution Temperature (LCST) is disclosed. The electrophoretic matrix can change its hydrophilic/hydrophobic property by changing temperature. A method of using the electrophoretic matrix involves charging a sample onto the matrix and carrying out electrophoresis at a temperature above or below the LCST of the polymeric compound.

IPC 1-7

B01D 57/02; G01N 27/26

IPC 8 full level

G01N 27/447 (2006.01)

CPC (source: EP US)

G01N 27/44747 (2013.01 - EP US)

Citation (search report)

- [A] EP 0387975 A1 19900919 - GRACE W R & CO [US]
- [A] WO 8706152 A1 19871022 - GENETIC SYSTEMS CORP [US]
- [A] EP 0251306 A1 19880107 - DIAGEN MOLEKULARBIO DIAGNOST [DE]
- [A] WO 9102815 A1 19910307 - DIAGEN INST MOLEKULARBIO [DE]
- [A] JOURNAL OF IMMUNOLOGICAL METHODS vol. 142, no. 2, 13 September 1991, AMSTERDAM, NL pages 251 - 256; C.G.MEYER ET AL.: 'DIRECT SEQUENCING OF VARIABLE HLA GENE SEGMENTS AFTER IN VITRO AMPLIFICATION AND ALLELE SEPARATION BY TEMPERATURE-GRADIENT GEL ELECTROPHORESIS'
- [E] WORLD PATENTS INDEX LATEST Week 9207, Derwent Publications Ltd., London, GB; AN 92-053191 & JP-A-3 296 657 (W.R.GRACE & CO.-CONN.) 27 December 1991

Cited by

US6379515B1; WO9745721A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

US 5164057 A 19921117; EP 0534017 A1 19930331; JP H03296657 A 19911227

DOCDB simple family (application)

US 76227291 A 19910919; EP 91250262 A 19910925; JP 9917190 A 19900413